

# Moore County

## November 2011

# Charrettes and Long-range Planning Process





Preservation of  
Local Character.



Mounting  
congestion on  
local roadways.



US 1 Corridor



Small Communities Impacted by Growth



Cultural and Environmental Resources



Public  
Safety



Community Vision.

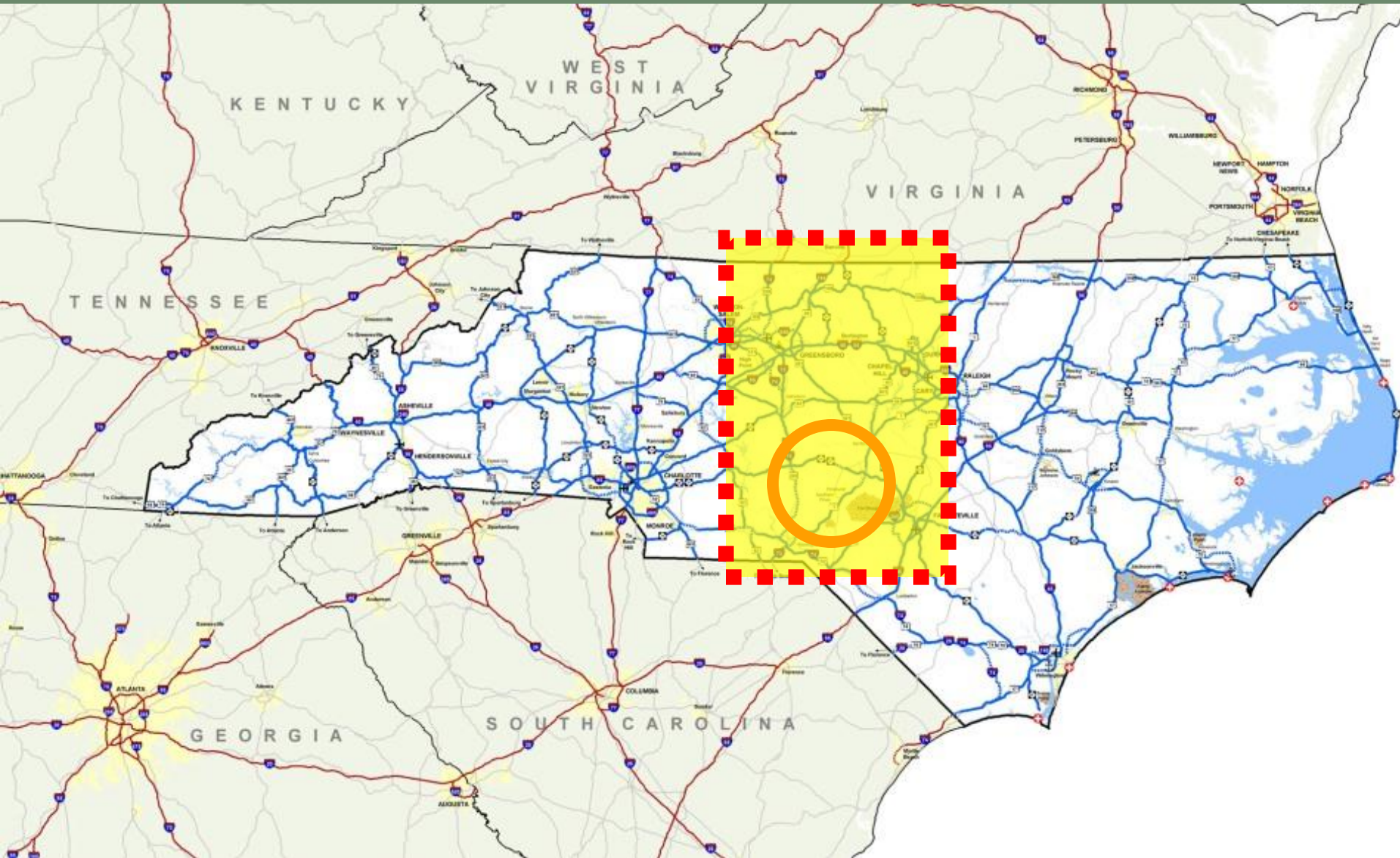
# Moore County Charrettes and Long-range Planning Process

What are the **Problems??**

What are the **Needs??**

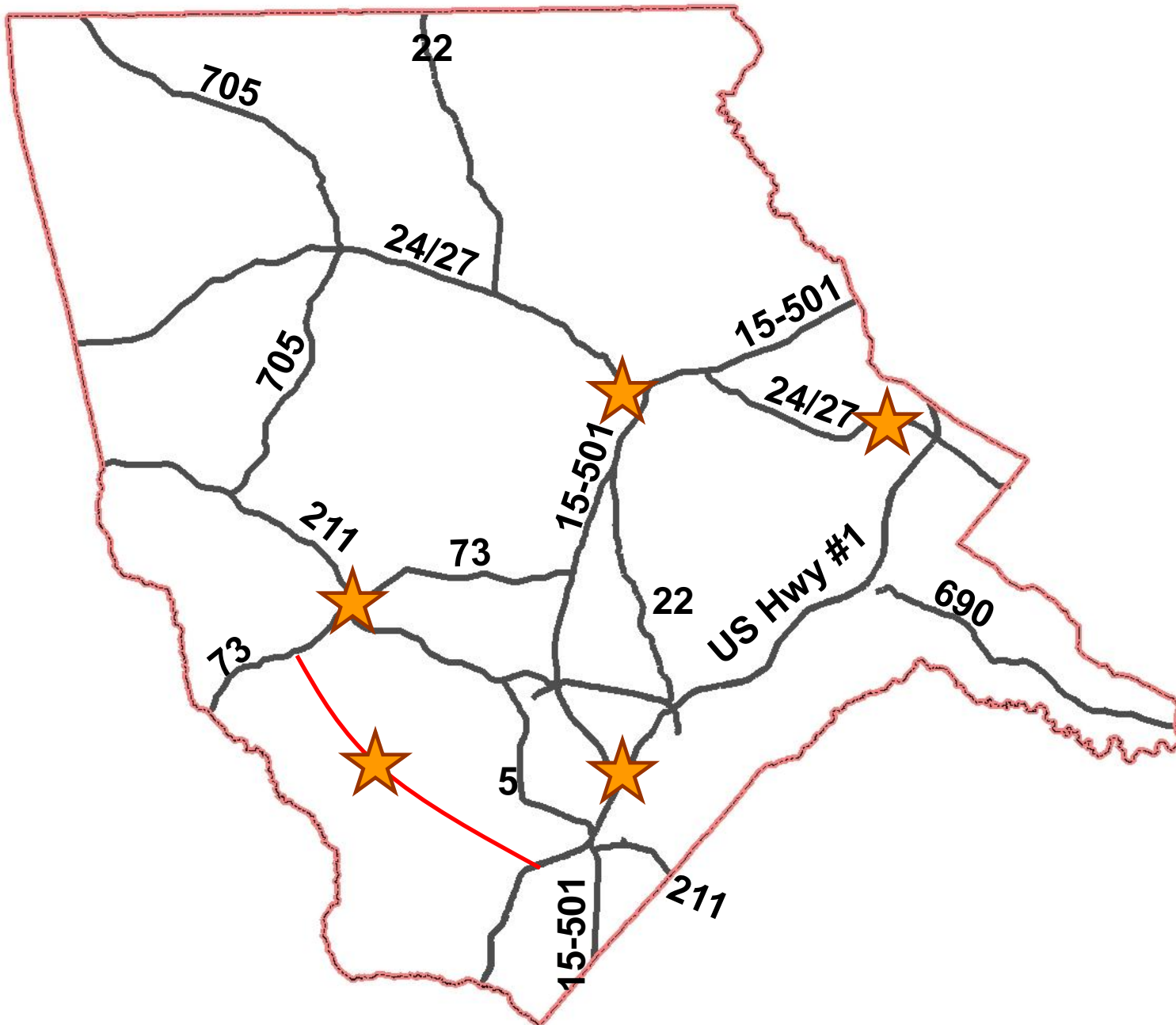


# Where is Moore County?



# Moore County's Pieces of the Puzzle

Cameron  
West End  
Carthage  
Western  
Connector  
US 1



# **We Need Your Help**

**Finding the solutions to the following problems...**

- **Public Safety**
- **Local and regional congestion**
- **Statewide mobility**
- **Local concerns**

# Carthage: What are the Problems?

NC 24/27 is one of the state's longest east-west routes and provides the most direct access between Charlotte, Fayetteville, and Jacksonville. It passes near or through three major military bases: Camp Lejeune , Fort Bragg , and Pope Air Force Base.

- **Public Safety:** High truck volumes through central business district mixed with considerable pedestrian traffic near the circle.
- **Local and regional congestion:** Peak hour traffic is a current issue along NC 24/27. Population growth expected to continue positive trend.
- **Statewide mobility:** NC 24/27 is a Strategic Highway Corridor and based on projected volumes it will need to be upgraded to an Expressway. Expressways have at least 4 lanes, limit driveways, are divided by medians, have no traffic signals, and limit left turns to designated points along the roadway. Speeds are between 45-60 mph.

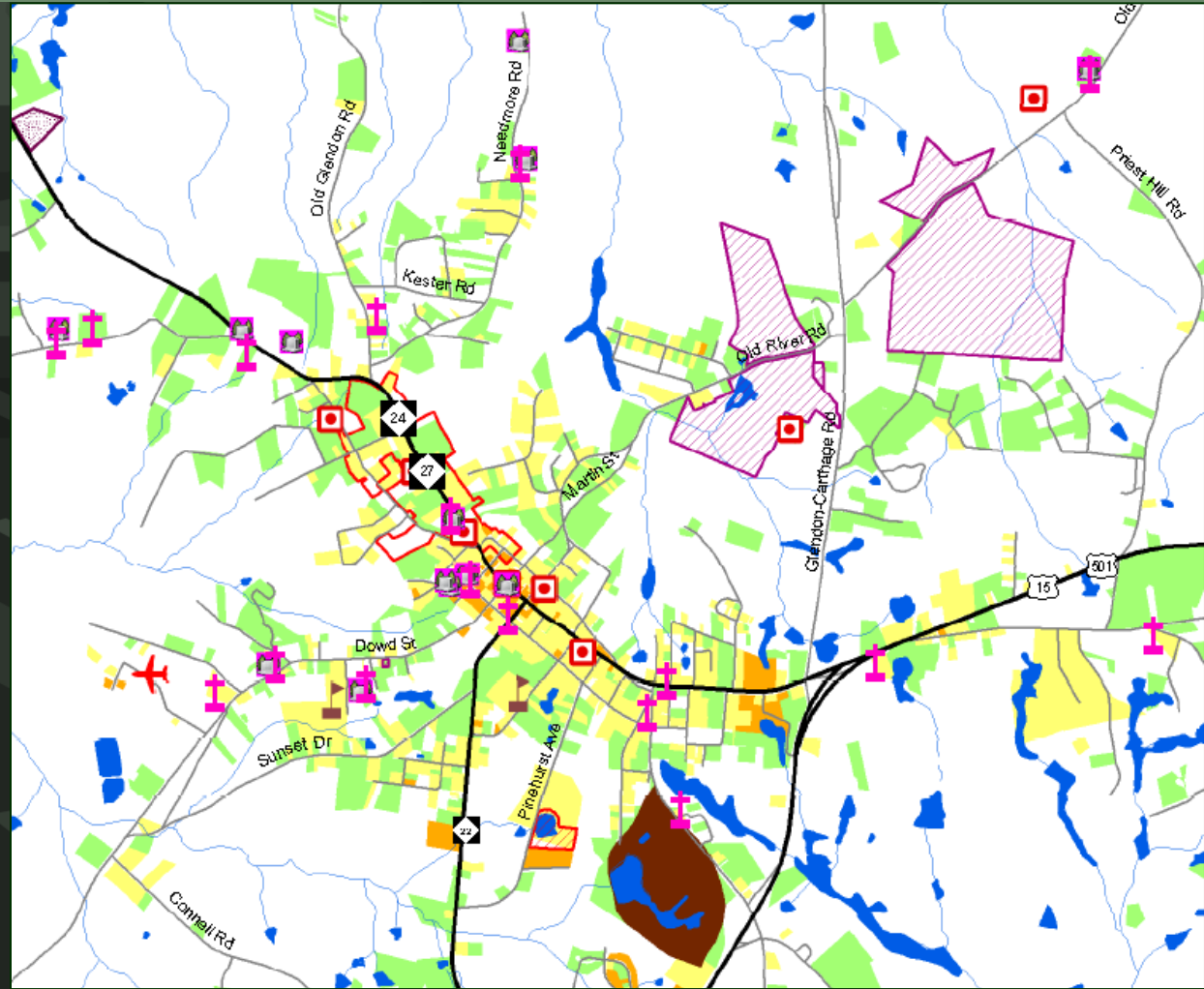
## What are Your Solutions?



**Carthage Other:** Potentially significant environmental impacts lay to the south, population density is more concentrated to the south, central core has many historic and cultural elements.

## Preservation of Resources and Considerations:

- Community Property
- Cultural Resources
- Environmental Impacts
- Water supply
- Service Providers
- Development
- Voluntary Agricultural Districts
- Public Recreational Areas
- State and Federal Lands



## What are Your Priorities?



# Cameron: What are the Problems?

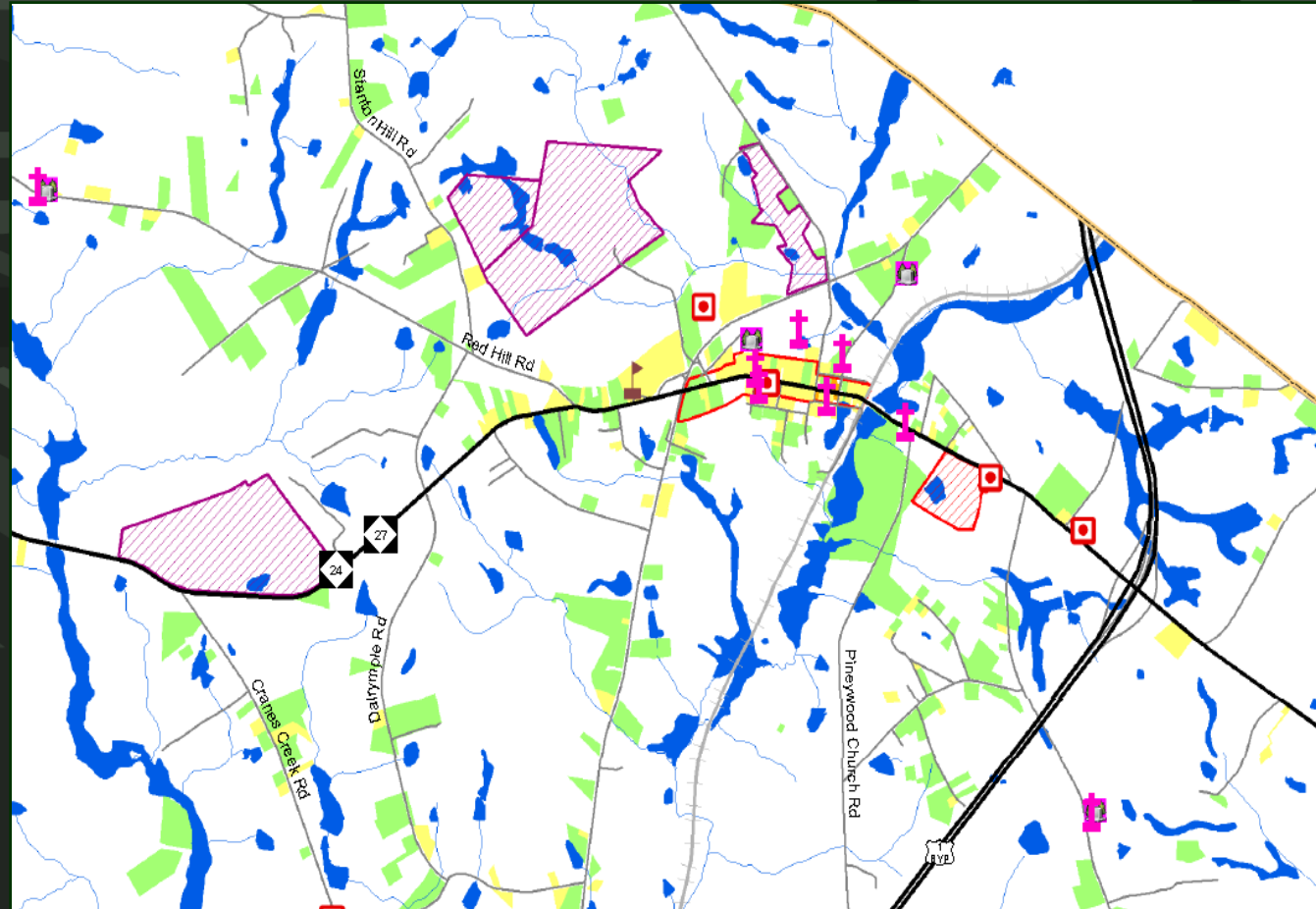
- **Public Safety:** High truck volumes through the center of town with significant pedestrian traffic from residential and commercial property along roadside.
- **Statewide mobility:** NC 24/27 is a Strategic Highway Corridor and based on projected volumes it will need to be upgraded to an Expressway. Expressways have at least 4 lanes, limit driveways, are divided by medians, and limit left turns to designated points along the roadway. Speeds are between 45-60 mph.

## What are Your Solutions?

**Cameron Other:** Existing Residential, business, and historic properties line the existing roadway. Roadway improvements to meet future statewide mobility needs would significantly change the local character of this corridor.

## **Preservation of Resources and Considerations:**

- Community Property
- Cultural Resources
- Environmental Impacts
- Historic Properties
- Service Providers
- Development
- Voluntary Agricultural Districts
- Public Recreational Areas
- State and Federal Lands
- Economic Development
- Land Use Planning



# **What are Your Priorities?**

# US 1: What are the Problems?

- **Public Safety:** Existing 5-lane section and current traffic volumes create unsafe conditions for vehicles turning left onto US 1.
- **Local and regional congestion:** During peak hour and events, congestion along the US 1 corridor is already substantial. Recent traffic counts show traffic volumes exceed 40,000 vehicles per day near NC 211 and 15-501 intersections.
- **Statewide mobility:** US 1 is a Strategic Highway Corridor and based on projected volumes, it will need to be upgraded to a Freeway in the future. Freeways have at least 4 lanes, are divided by medians, and provide access at interchanges only. Intersections occur only as an interchange or as an overpass. **There are no driveways or traffic signals.** Speeds are 55 mph or greater.

## What are Your Solutions?



**US 1 Other:** US 1 is a densely urbanized corridor with little unutilized land. US 1 improvements to meet future needs will require additional right-of-way and driveway/side street closure along US 1. Nearby farmland is richly inhabited by endangered species and is a Moore County cultural resource as well as an important asset to the local tourist industry.

**Preservation of Resources and Considerations:** Cultural Resources, Walthour-Moss Foundation, Economic Impacts to Business District, Environmental Impacts, Endangered Species, Service Providers, Development, Voluntary Agricultural Districts, Public Recreational Areas, State and Federal Lands.



**What are Your Priorities?**



# Western Moore County:

## What are the Problems?

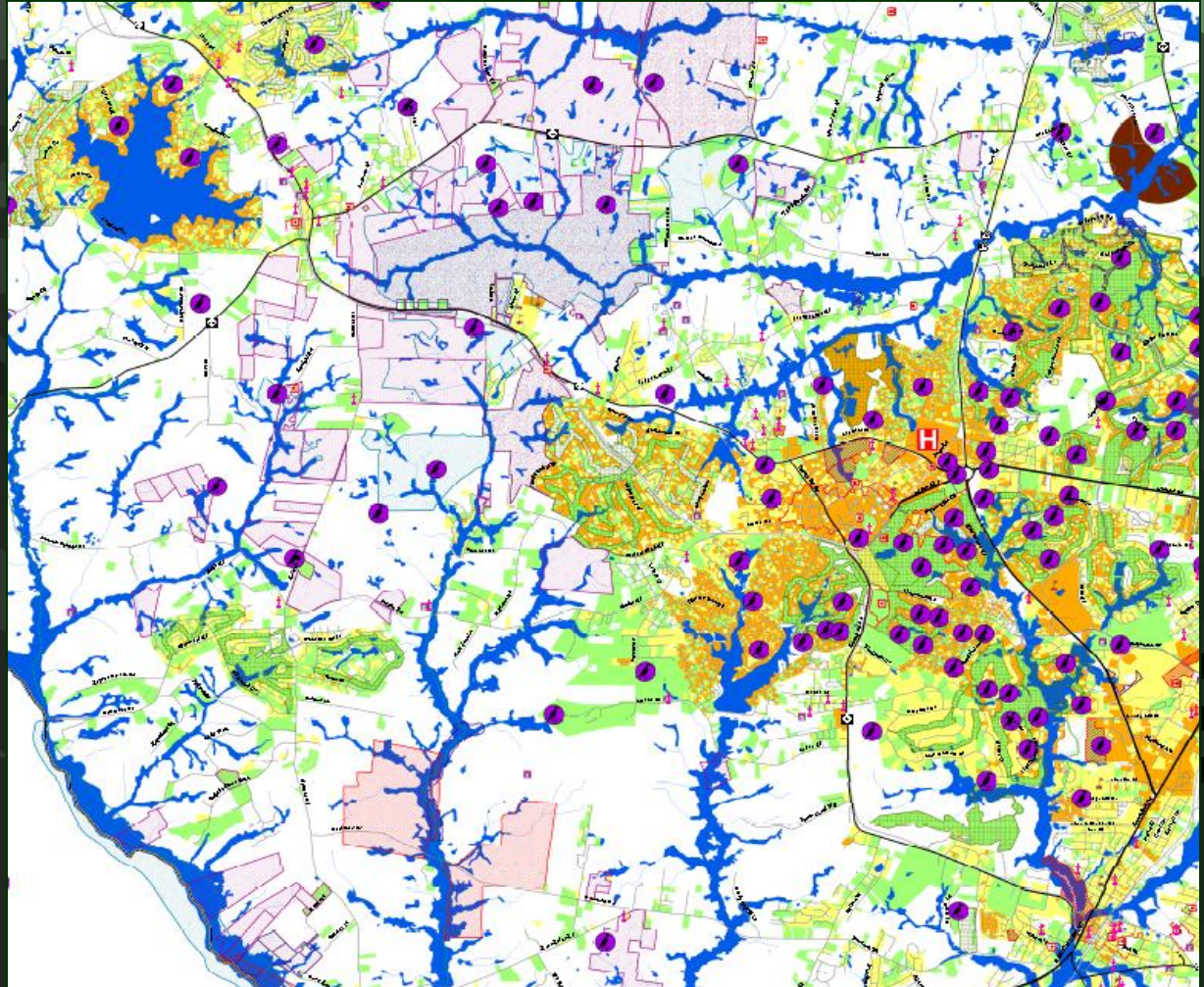
- **Public Safety:** Safety associated with congestion on NC 5, US 1, US 15-501, NC 211 as well as truck traffic using rural roads to bypass urban congestion that also host entrances to large developments. (side street left turns, rear end collisions from mainline turning movements, etc.)
- **Local and regional congestion:** Congestion along NC 5, US 1, US 15-501, NC 211, and NC 2 is already significant during peak hour and special events. Population growth and new developments proposed in the western areas of the county are expected to add additional traffic to these roads where congestion is starting to become problematic.
- **Statewide mobility:** US 15-501, US 1, NC 5, NC 211 are all key roadways used by our state's industrial and commercial stakeholders as well as by the traveling public. To maintain mobility and support the economic welfare of the state's transportation stakeholders, solutions to existing and future congestion along these roadways need to be explored.

## What are Your Solutions?

**Western Moore County Other:** Assuming a 4-lane, divided roadway will be needed in the future to provide east-west connectivity; improving existing roadways would impact developments and provide a longer route. A route on new location would have significant environmental impacts and also impact the farming communities near West End and planned new development.

## **Preservation of Resources and Considerations:**

- Cultural Resources
- Environmental Impacts
- Voluntary Agricultural Districts
- Endangered Species
- Service Providers
- Development
- Public Recreational Areas
- State and Federal Lands



## **What are Your Priorities?**

# West End: What are the Problems?

The West End community is centered at the intersection of NC 73 and NC 211. Moore County residents living in the western areas of the county depend upon these two routes, and passage through West End, to reach area amenities and connectivity to the state's transportation network that lay to the east.

Three transportation improvement projects pass within close proximity of West End and pose potential impacts for the community: the widening of NC 211, the realigning of NC 73, and the locally requested widening of NC 73 that is under study.

Improving a suitable route from the western areas in the county to the east, would provide a fourth project.

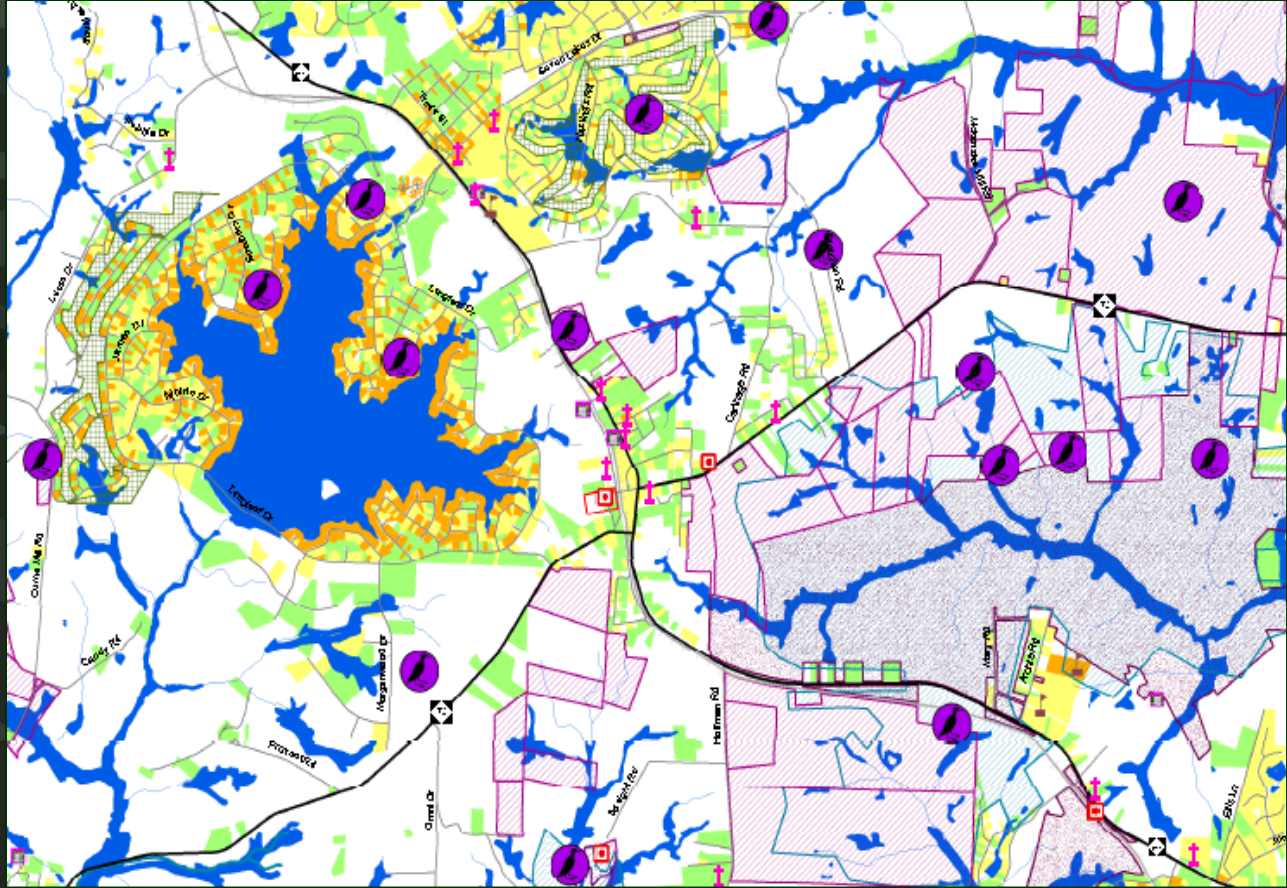
## What are Your Solutions or Concerns?



**West End Other:** How would the addition of new route providing passage from west to east in Moore County best support the local vision for land use development and transportation in the West End community?

## Preservation of Resources:

- New Development
- Cultural Resources
- Voluntary Agricultural Districts
- Environmental Impacts
- Service Providers
- Recreational Areas
- East-west Connectivity
- State and Federal Lands



# What are Your Priorities?



# Finding Common Ground

I'll Bring the Strings  
You Bring the  
Ribbons...

# Strings & Ribbons

- **Welcome to Strings & Ribbons**
  - This game was designed as a fun way for residents to help transportation planners determine the transportation priorities for your County.
  - The game is an effective tool for residents to work with their neighbors and friends to communicate what are their transportation needs and what elements are important for planners to consider as they develop a Comprehensive Transportation Plan for Moore County.

# Strings & Ribbons

- **Why?**

- The Rural Planning Organizations across the state in collaboration with municipal planners, county planners, and NCDOT determine the transportation needs and priorities for their region.
- Comprehensive Transportation Plans (CTP) are developed for municipalities and/or counties depending on the need.
- Each local entity (municipality, its county, and RPO) adopts their CTP.
- **The CTP is only a list of recommendations for further study.**

# Strings & Ribbons

- **Why?...continued**

- Then, the Board of Transportation also adopts the CTP **provided it is consistent with the projected needs of the statewide transportation system.**
- Only after adoption by local entities and the State Board of Transportation can the recommendations of the CTP **move toward funding** and further study.
- Each local project then has to compete against the other projects submitted to NCDOT from other regions across the state.
- **There are more needs than budget!**
- \$50 billion in statewide needs and only \$10 billion in state transportation budget.



# Statewide Consistencies



# Strings & Ribbons

- **Who?**
  - Planning is a collaborative process
  - It includes the TARPO, residents, stakeholders, elected officials and transportation planners from the county & each municipality as well as NCDOT
  - Together they build a consensus on the requirements of the transportation system and the transportation needs of the county's towns and cities
  - Combined these needs become the recommendations of the Comprehensive Transportation Plan
  - The Plan **DOES NOT** recommend **nor** determine alignments—it simply recommends solutions to the needs identified.

# Strings & Ribbons

- **What?**
  - Needs identified by TARPO could add up to more than \$700 million dollars conservatively.
  - This \$700 million does not include needs or solutions that the residents could identify.
  - **There are more needs than funds**
  - Play Strings & Ribbons to suggest solutions to the System needs and the County needs

# Strings & Ribbons

- **When?**
  - The Comprehensive Transportation Plan outlines the potential transportation recommendations for the County for the next 25 to 30 years.
  - These recommendations will be slated for further studies through an environmental evaluation process which will include further public involvement.
  - An environmental document will be submitted to the Federal Highway Administration for approval.
  - **Nothing is scheduled for construction.**



# Strings & Ribbons

- **How?**
  - Participate in the Comprehensive Transportation Planning Process
  - Identify County & Municipal needs and problems
  - Identify County & Municipal resources and assets that should be preserved and protected
  - Suggest solutions to the County & Municipal transportation needs

# Strings & Ribbons

- **LET'S PLAY STRINGS & RIBBONS**
  - **Game Pieces**
    - Maps of focus areas
    - Colored markers for the maps
    - Mo' Money to pay for solutions
    - Labels to mark bridges, wetlands, cultural resources and other areas to be protected
    - Calculators
    - Strings to measure distances
    - Scissors
    - Price sheet for a variety of highway components
    - Tally sheet to record purchases

# Strings & Ribbons

- Object of the Game
  - To identify transportation needs and suggest solutions
    - The needs include those identified in the presentation and those that players select
  - Each table has a total of \$400 million divided evenly between all the players
  - You can use your money to pay the banker for your Solutions—a bridge, a suggested route around an environmental area, a stop light, bus route, etc.
  - You can pay for these items individually or with other players at your table.
  - The game is over when the \$400 million is exhausted

# Strings & Ribbons

- Game Tips
  - Your banker **CANNOT** participate in the game or offer an opinion—but can answer questions
  - The banker **can** clarify items on the map and help the table make calculations
  - The banker will record on the tally sheet each purchase made by the table and a picture will be taken of each map at the conclusion of the game
  - **Your purchase is final**, so be sure of your purchase before you pay the banker



# Strings & Ribbons

- Game Tips
  - There are no rules against teaming with other players at your table to purchase large items
  - **Be careful leaning on the map**
    - The pens are dry erase and can rub off on your clothes
  - At the end of the game each player will sign the tally sheet confirming that it correctly reflects the purchases for your table
  - **All maps and tally sheets** are to be turned into your banker before the data is erased

# Strings & Ribbons

- **Reporting Results**
  - When all tables have spent all their funds they will be asked to report their needs and purchases to the entire room
  - All the needs and purchases will be recorded during each game session
  - The results of each game session will be posted on the Moore County Transportation website along with a compilation of all game session results

# Strings & Ribbons

- Reminders
  - The game is to identify priorities, **NOT ALIGNMENTS**
  - Label all resources that should be preserved, protected, avoided or not impacted
  - Use your string to select paths that avoid those resources
  - Spend all of the \$400 million
  - Feel free to combine funds with other players to achieve a goal
  - Listen and learn about priorities of other players at your table

# Strings & Ribbons



**LET'S BEGIN**

**HAVE FUN!!!!**